UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/718,951	LANE ET AL.
	Examiner	Art Unit
	Isaac T. Tecklu	2192

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>20 June 2007</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-10,13-29 and 31-38</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-10,13-29 and 31-38</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

DETAILED ACTION

1. This action is responsive to the application filed on 06/20/2007.

2. Claims 1-2, 4-5, 9-10, 13-14, 19-21, 23-24, 27-29, 31-33 and 38 have been amended.

3. Claims 11 and 30 have been cancelled.

4. Claims 1-10, 12-29 and 31-38 have been examined.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 1-10, 12-29 and 31-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Snyder (US 6,358,552 B2) in view of Sinn (US 6,732,089 B1, art made of record).

As per claim 1 (Currently amended), Snyder discloses a method for deploying <u>at least one</u> stored procedure to a device (col. 19:59-62 "... device database ..."), the method comprising:

<u>generating a data project</u> (e.g. FIG. 2, step 5 and related text) <u>and a device database within a solution</u> (col. 16:5-20 "... build local tables for test conditions and test limits ...");

associating the data project with the device database (col. 7:15-30 "... tables for a test can

bet ... dependent variables ... data in these tables can be dependent upon the indicated values

...');

adding the at least one stored procedure to the data project; (e.g. FIG. 2, step 8 and

related text)

receiving a request to build the solution, and, responsive to the request; (col. 27:45-55

"... response to a user request ...");

embedding the each stored procedure (col. 16:45-50 "... utilize fully functional

SQL ...") into a device database (col. 6: 40-50 "... data to be stored in normalized relational

database ..." col. 19:59-62 "... device database ..." and e.g. FIG. 2, step 9 and related text);

deploying the device database to the device (col. 30:4-6, 32-39, 51-56 "... setup,

install, project, device ...").

Snyder does not explicitly disclose registering the each stored procedure with the device

database. However, Sinn discloses a method, apparatus and program storage device for enabling

SQL statement access to remote system specific data and functions is provided. Snyder

discloses a different conventional approach for accessing system specific information is an SQL

stored procedure. With this approach, as detailed in FIG. 3, specific procedure programs 301

are stored on a server 303. The client 305 can then use an SQL statement to invoke the stored

procedure on the server side. For example, a procedure program 301 must be created and

registered using an SQL statement creates procedure. Therefore it would have been obvious to

one skilled in the art at the time of the invention was made to combine Snyder and Sinn to

invoke the stored procedure on the server side to obtain system specific data under secured

environment using the signature of the stored procedure as once suggested by Sinn (col. 2: 15-

30).

As per claim 2 (Currently amended), Snyder discloses the method of claim 1, further

comprising compiling code for the <u>at least on</u> stored procedure (col. 2:23-30 "... recompiling

the code ...").

As per claim 3, Snyder discloses the method of claim 1, comprising embedding a trigger

into the device database (e.g. FIG. 2, step 16 and related text).

As per claim 4 (Currently amended), Snyder discloses the method of claim 1, further

comprising reserving data storage capacity for the <u>at least on</u> stored procedure within the device

database (e.g. FIG. 1, storage 300 and related text).

As per claim 5 (Currently amended), Snyder discloses the method of claim 1, further

comprising:

determining whether the <u>at least on</u> stored procedure has been previously embedded on

the database (e.g. FIG. 2, step 4 and related text); and

if the <u>at least on</u> stored procedure has been previously embedded, then removing the

previously embedded stored procedure (col. 32:35-39 "... overwriting..." and e.g. FIG. 2, step

5 and related text).

As per claim 6, Snyder discloses the method of claim 1, comprising deploying the device database to the device as part of a main device project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 7, Snyder discloses the method of claim 1, comprising deploying the device database to the device as part of a device setup project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 8, Snyder discloses the method of claim 1, comprising registering the stored procedure with the device database at the device (col. 17:40-50 "... registered with test set database ...").

As per claim 9 (Currently amended), Snyder discloses a method for deploying a stored procedure to a device, the method comprising:

providing ~~an~~ a first interface that enables ~~a user to create~~ a data project, ~~the data project being~~ and a device database to be generated within a solution, the first interface further enabling the data project to be associated with ~~a~~ the device database (col. 16:5-20 "... build local tables for test conditions and test limits ...") and ~~having an assembly comprising the stored procedure~~;

embedding the assembly within the device database (col. 19:59-63, col. 16:5-12, col. 30:32-35);

providing a second interface that enables the at least one stored procedure to be added to an assembly within the data project (e.g. FIG. 2, step 8 and related text);

receiving a request to build the solution, and, responsive to the request (col. 27:45-55 "...

response to a user request ...");

deploying the device database to the device (col. 30:4-6, 32-39, 51-56 "... setup, install,

project, device ...").

Snyder does not explicitly disclose registering ~~the~~ each stored procedure with the device

database. However, Sinn discloses a method, apparatus and program storage device for enabling

SQL statement access to remote system specific data and functions is provided. Snyder .

discloses a different conventional approach for accessing system specific information is an SQL

stored procedure. With this approach, as detailed in FIG. 3, specific procedure programs 301

are stored on a server 303. The client 305 can then use an SQL statement to invoke the stored

procedure on the server side. For example, a procedure program 301 must be created and

registered using an SQL statement create procedure. Therefore it would have been obvious to

one skilled in the art at the time of the invention was made to combine Snyder and Sinn to

invoke the stored procedure on the server side to obtain system specific data under secured

environment using the signature of the stored procedure as once suggested by Sin (col. 2: 15-

30).

As per claim 10 (Currently amended), Snyder discloses the method of claim 9, further

comprising providing an interface displaying a view of ~~each~~ the at least one stored procedure

~~associated with the device database~~ (e.g. FIG. 3, 1200 and related text).

As per claim 12 (Currently amended), Snyder discloses the method of claim 10, ~~further~~
~~comprising providing an interface enabling~~ wherein the second interface enables the at least one
stored procedure ~~associated with the device database~~ to be deleted from the ~~data project~~ (col.
17:31-39, col. 30:9-11).

As per claim 13 (Currently amended), Snyder discloses the method of claim 9, further
comprising providing an interface displaying a view of properties of ~~each~~ the at least one stored
procedure ~~associated with the device database~~ (e.g. FIG. 3, 1200 and related text)..

As per claim 14, Snyder discloses the method of claim 9, further comprising compiling
code for the stored procedure (col. 2:23-30 "... recompiling the code ...").

As per claim 15, Snyder discloses the method of claim 9, comprising embedding the
assembly within the device database, the assembly comprising a trigger (e.g. FIG. 2, step 16 and
related text).

As per claim 16, Snyder discloses the method of claim 9, further comprising: determining
whether the assembly has been previously embedded on the device database (e.g. FIG. 2, step 4
and related text); and

if the assembly has been previously embedded, then removing the previously embedded
assembly (col. 32:35-39 "... overwriting..." and e.g. FIG. 2, step 5 and related text).

As per claim 17, Snyder discloses the method of claim 9, comprising deploying the device database to the device as part of a main device project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 18, Snyder discloses the method of claim 9, comprising deploying the device database to the device as part of a device setup project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 19 (Currently amended), Snyder discloses the method of claim 9, comprising registering the at least one stored procedure with the device database at the device (col. 17:40-50 "... registered with test set database ...").

As per claim 20, this is the computer readable medium version of the claimed method discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 21, this is the computer readable medium version of the claimed method discussed above (Claim 2), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 22, this is the computer readable medium of the claimed method discussed above (Claim 3), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 23, this is the computer readable medium of the claimed method discussed above (Claim 4), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 24, this is the computer readable medium of the claimed method discussed above (Claim 5), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 25, this is the computer readable medium of the claimed method discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 26, this is the computer readable medium of the claimed method discussed above (Claim 7), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 27, this is the computer readable medium of the claimed method discussed above (Claim 8), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 28, this is the computer readable medium of the claimed method discussed above (Claim 9), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 29, this is the computer readable medium of the claimed method discussed above (Claim 10), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 31, this is the computer readable medium of the claimed method discussed above (Claim 12), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 32, this is the computer readable medium of the claimed method discussed above (Claim 13), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 33, this is the computer readable medium of the claimed method discussed above (Claim 14), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 34, this is the computer readable medium of the claimed method discussed above (Claim 15), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 35, this is the computer readable medium of the claimed method discussed above (Claim 16), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 36, this is the computer readable medium of the claimed method discussed above (Claim 17), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 37, this is the computer readable medium of the claimed method discussed above (Claim 18), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

As per claim 38, this is the computer readable medium of the claimed method discussed above (Claim 19), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious over Snyder.

Response to Arguments

7.   Applicant's arguments filed 06/20/07 have been fully considered but they are not persuasive.

In the Remark, the Applicant argues:

Snyder clearly requires the individual and manual invocation and registration of tests with the test set Database (page 10 of 12).

Examiner's Response:

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant argues against (i.e., manual invocation and registration) are not excluded from the rejected claim(s). In other words, the plain language of the claims do not preclude and/or exclude as such manual invocation and registration manners. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1 181, 26 USPQ2d 1057 (Fed. Cir. 1993). Amended limitations – See Sinn art made of record above.

Conclusion

8.   Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Isaac T. Tecklu whose telephone number is (571) 272-7957. The

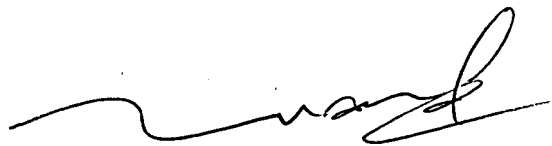examiner can normally be reached on M-TH 9:300A - 8:00P.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Isaac Tecklu

Art Unit 2192

TUAN DAM
SUPERVISORY PATENT EXAMINER